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| Filter Choice | None              |

| GATING/TRIGGER |                  |
| Auto Trigger Type | Off          |

| MULTI-PHASE |                  |
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| Mask Phase    | 0                 |
| Mask Pause    | 0                 |

| DIFFUSION |                  |
| Recon All Images | On            |

<p>| CONTRAST |                  |
| Contrast Yes/No | No            |</p>
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**Patient Position**
- **Patient Entry**: Head First
- **Patient Position**: Supine
- **Coil Configuration**: 0
- **Plane**: OBLIQUE
- **Series Description**: ax spgr

**Scan Timing**
- **Flip Angle**: 14
- **TE (Minimum)**: 400
- **Receiver Bandwidth**: 31.25

**Image Enhance**
- **Filter Choice**: None

**Gating/Trigger**
- **Auto Trigger Type**: Off

**FMRI**
- **Initial State**: Control
- **PSD Trigger**: Internal
- **Slice Order**: Interleaved
- **View Order**: Bottom/Up
- **# of Repetitions REST**: 0
- **# of Repetitions ACTIVE**: 0

**SAT**
- **Tag Type**: None

**TRICKS**
- **Pause On/Off**: On
- **Auto Subtract**: 0
- **Auto SCIC**: On

**Imaging Parameters**
- **Imaging Mode**: 3D
- **Pulse Sequence**: SPGR
- **Imaging Options**: EDR, Fast, IrP, Asset

**Scan Range**
- **FOV**: 25.6
- **Slice Thickness**: 1.0
- **Location per Slab**: 200
- **Overlap Locations**: 0

**ACQ Timing**
- **Freq**: 256
- **Phase**: 256
- **Freq DIR**: Unswap
- **NEX**: 0.75
- **Phase FOV**: 0.90
- **Auto Shim**: Auto
- **Phase Correction**: No

**User CVS**
- **User CV23**: 100.00

**Multi-Phase**
- **Separate Series**: 0
- **Mask Phase**: 0
- **Mask Pause**: 0

**Diffusion**
- **Recon All Images**: On

**Contrast**
- **Contrast Yes/No**: No
**PATIENT POSITION**

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**IMAGE ENHANCE**

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**GATING/TRIGGER**

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**SAT**

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**TRICKS**

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**OTHERS**

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**IMAGING PARAMETERS**

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### Protocol: adult_head_Brain-Tumornew_20150309103517747_1

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<td>Series Description</td>
<td>CONTRAST</td>
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<thead>
<tr>
<th><strong>IMAGING PARAMETERS</strong></th>
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<tbody>
<tr>
<td>Imaging Mode</td>
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<tr>
<td>Pulse Sequence</td>
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<thead>
<tr>
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<tbody>
<tr>
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<tr>
<th><strong>ACQ TIMING</strong></th>
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<tbody>
<tr>
<td>Freq</td>
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<td>Phase FOV</td>
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<tr>
<td>Auto Shim</td>
<td>Auto</td>
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<tr>
<td>Phase Correction</td>
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<tr>
<th><strong>FMRI</strong></th>
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<td>Internal</td>
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<td>View Order</td>
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</tr>
<tr>
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<tr>
<td># of Repetitions ACTIVE</td>
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</thead>
<tbody>
<tr>
<td>Contrast Yes/No</td>
<td>No</td>
</tr>
</tbody>
</table>
**PATIENT POSITION**
- **Patient Entry**: Head First
- **Patient Position**: Supine
- **Coil Configuration**: 0
- **Plane**: OBLIQUE
- **Series Description**: ax t2 +c

**SCAN TIMING**
- **Flip Angle**: 160
- **TE**: 102.0
- **Number of Echoes**: 1
- **TR**: 3257.0
- **Echo Train Length**: 18
- **Receiver Bandwidth**: 35.71

**IMAGE ENHANCE**
- **Filter Choice**: None

**GATING/TRIGGER**
- **Auto Trigger Type**: Off
- **PSD Trigger**: Internal
- **Slice Order**: Interleaved
- **View Order**: Bottom/Up
- **# of Repetitions REST**: 0
- **# of Repetitions ACTIVE**: 0

**FMRI**
- **Auto Shim Before Pause**: 0
- **Phase**: 256
- **Freq DIR**: Unswap
- **NEX**: 1.00

**SAT**
- **Tag Type**: None

**TRICKS**
- **Pause On/Off**: On
- **Auto Subtract**: 0
- **Auto SCIC**: 2

**IMAGING PARAMETERS**
- **Imaging Mode**: 2D
- **Pulse Sequence**: FRFSE-XL
- **Imaging Options**: FC, EDR, TRF, Fast, FR

**SCAN RANGE**
- **FOV**: 24.0
- **Slice Thickness**: 4.0
- **Slice Spacing**: 0.0

**ACQ TIMING**
- **Freq**: 320
- **Phase**: 256
- **Freq DIR**: Unswap
- **NEX**: 1.00
- **# of Acq. Before Pause**: 0
- **Auto Shim**: Auto
- **Phase Correction**: Yes
- **Flow Direction Compensation**: Slice

**USER CVS**
- **TR Min**: 3000.0
- **TR Max**: 5000.0

**MULTI-PHASE**
- **Seperate Series**: 0
- **Mask Phase**: 0
- **Mask Pause**: 0

**DIFFUSION**
- **Recon All Images**: On

**CONTRAST**
- **Contrast Yes/No**: Yes
### Patient Position

- **Patient Entry**: Head First
- **Patient Position**: Supine
- **Coil Configuration**: OBLIQUE
- **Series Description**: `ax spgr +c`

### Scan Timing

- **Flip Angle**: 14
- **TE**: Minimum
- **TI**: 400
- **Receiver Bandwidth**: 31.25

### Image Enhance

- **Filter Choice**: None

### Gating/Trigger

- **Auto Trigger Type**: Off

### FMRI

- **Initial State**: Control
- **PSD Trigger**: Internal
- **Slice Order**: Interleaved
- **View Order**: Bottom/Up

### Scan Timing

- **# of Repetitions REST**: 0
- **# of Repetitions ACTIVE**: 0

### SAT

- **Tag Type**: None

### Tricks

- **Pause On/Off**: On
- **Auto Subtract**: 0
- **Auto SCIC**: On

### Imaging Parameters

- **Imaging Mode**: 3D
- **Pulse Sequence**: SPGR
- **Imaging Options**: EDR, Fast, IrP, Asset

### Scan Range

- **FOV**: 25.6
- **Slice Thickness**: 1.0
- **Location per Slab**: 200
- **Overlap Locations**: 0

### Acq Timing

- **Freq**: 256
- **Phase**: 256
- **Freq DIR**: Unswap
- **NEX**: 0.75
- **Phase FOV**: 0.90
- **Auto Shim**: Auto
- **Phase Correction**: No

### User CVS

- **User CV23**: 100.00

### Multi-Phase

- **Separate Series**: 0
- **Mask Phase**: 0
- **Mask Pause**: 0

### Diffusion

- **Recon All Images**: On

### Contrast

- **Contrast Yes/No**: No
## Protocol: adult_head_Brain-Tumornew_20150309103517747_1

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